

FIG. 1A

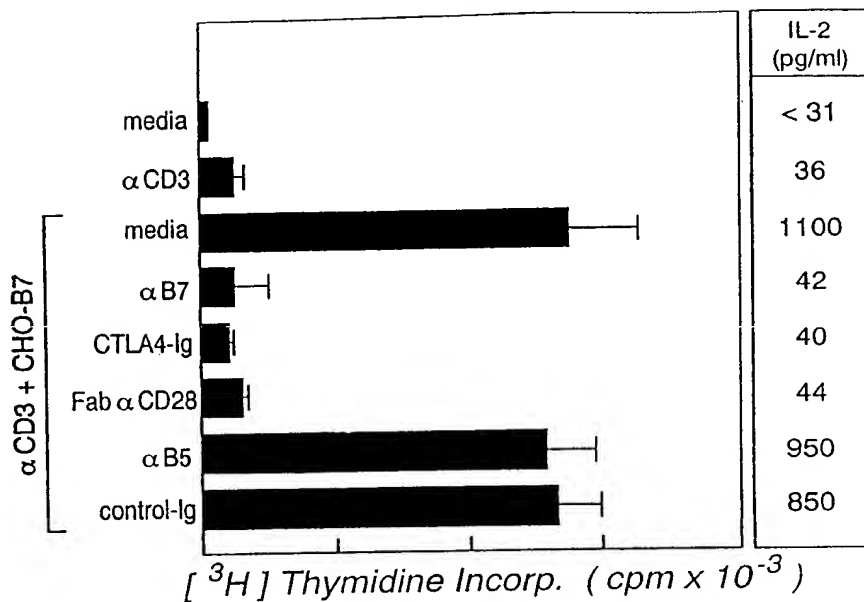


FIG. 1B

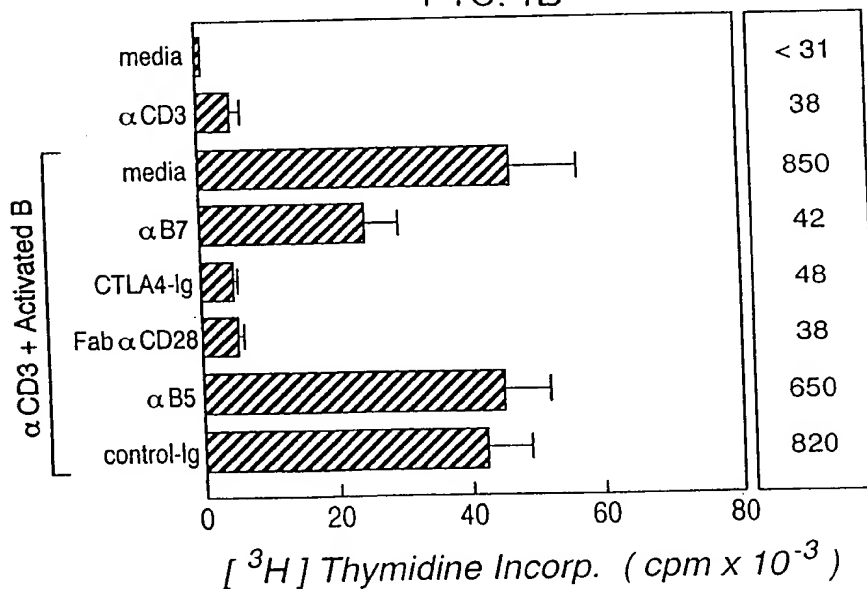


FIG. 2A

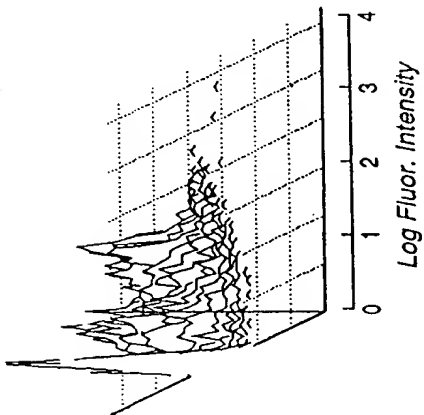


FIG. 2B

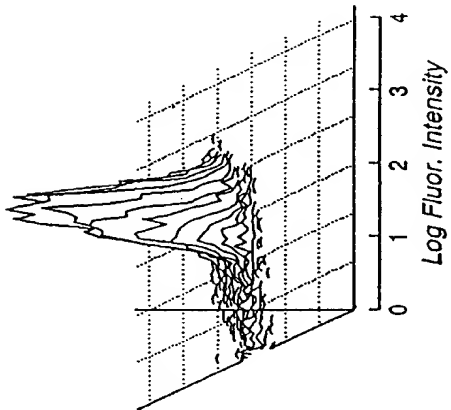


FIG. 2C

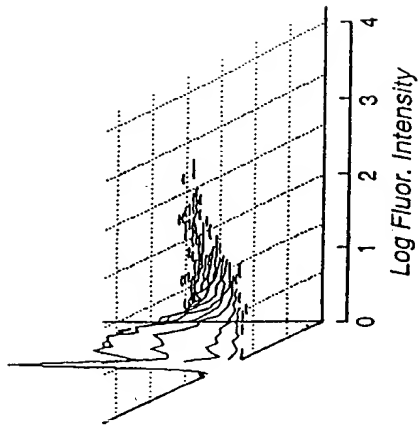


FIG. 3A

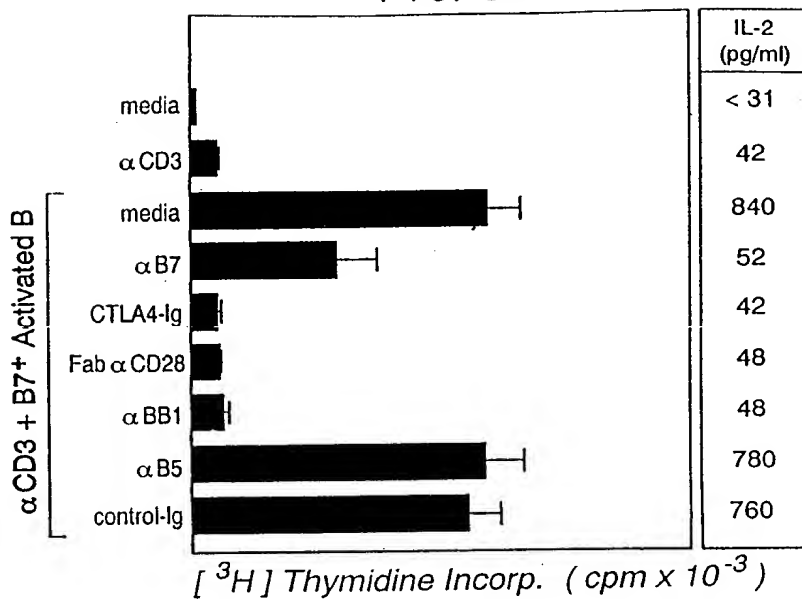
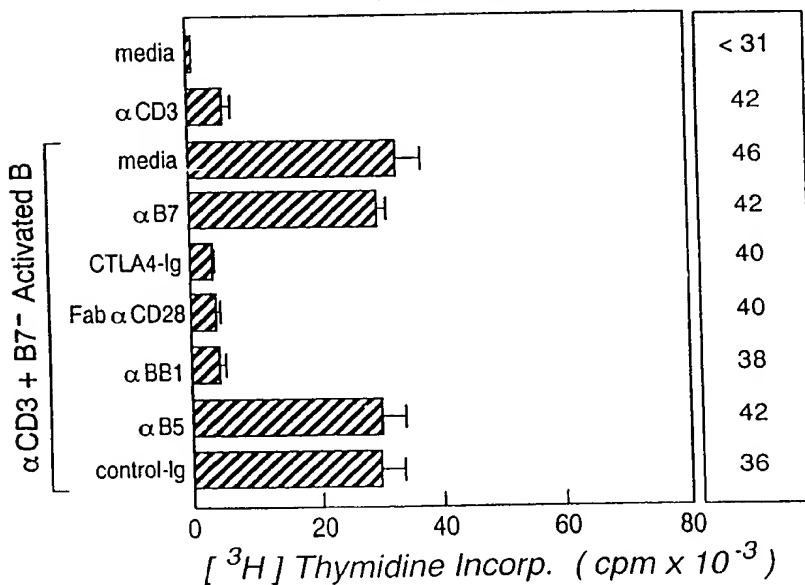


FIG. 3B



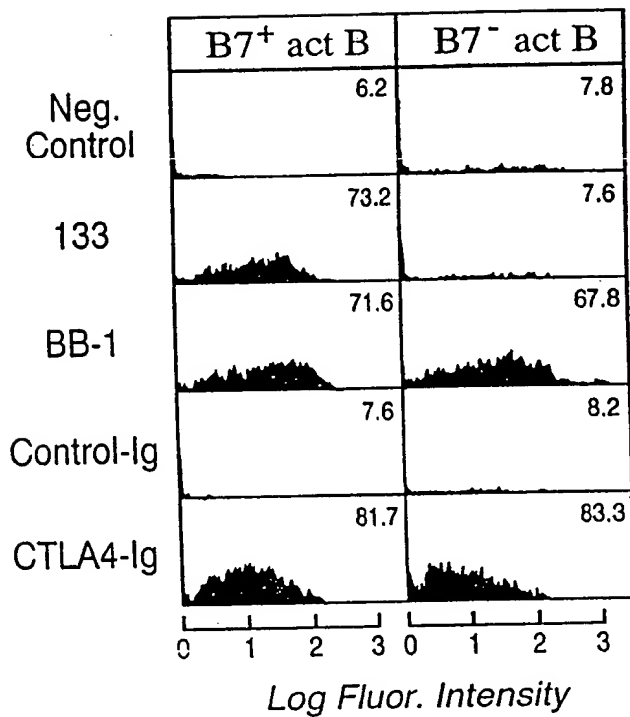


FIG. 4

B Cells Activated by sIg Crosslinking

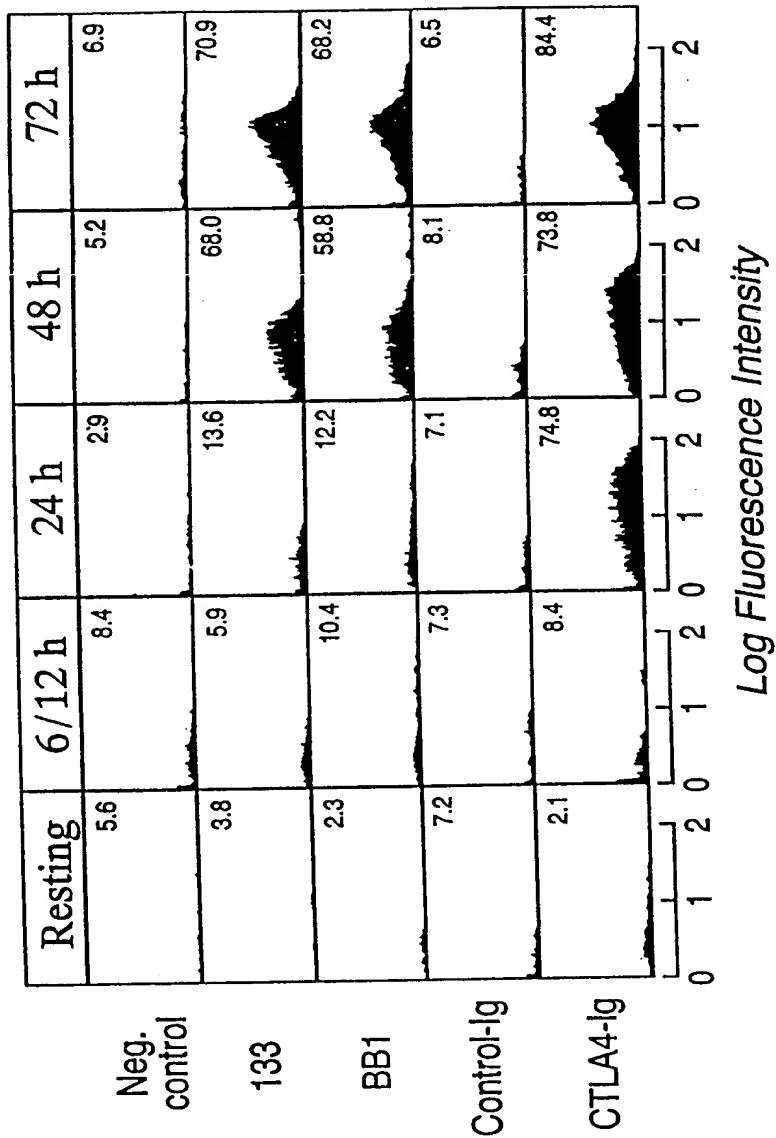


FIG. 5

FIG. 6

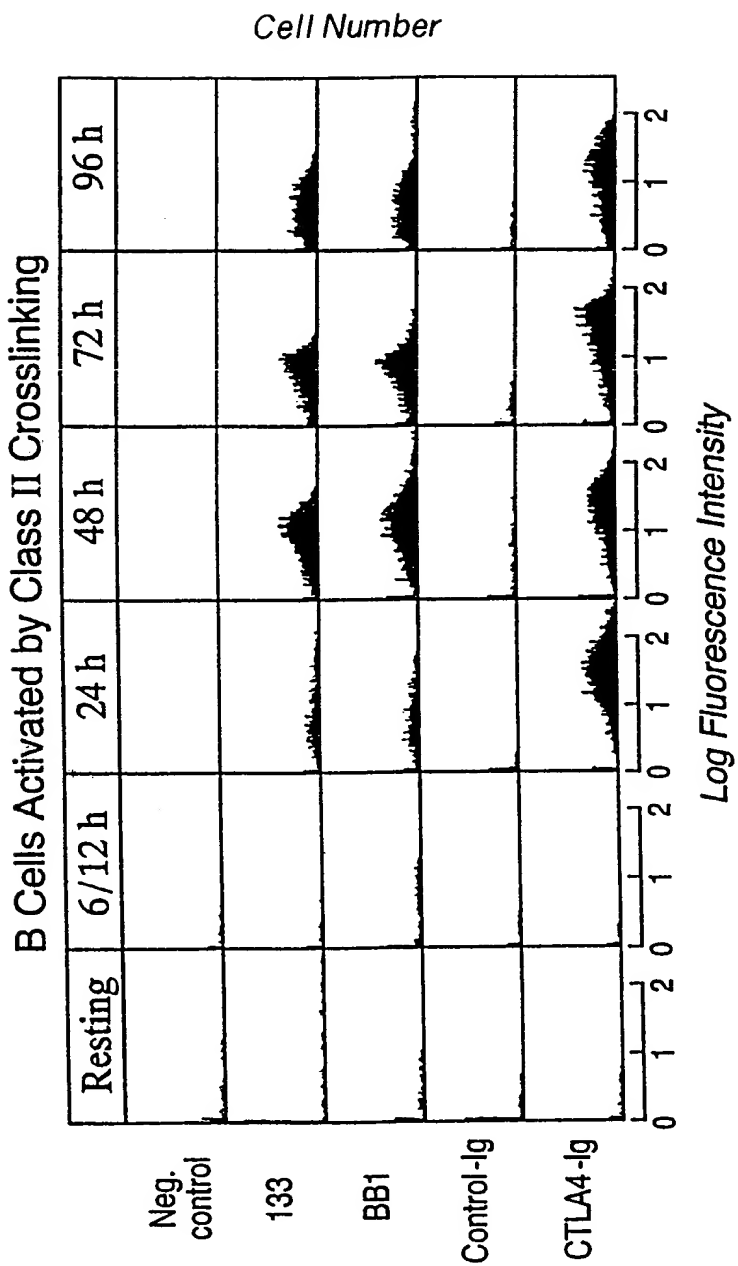


FIG. 7A

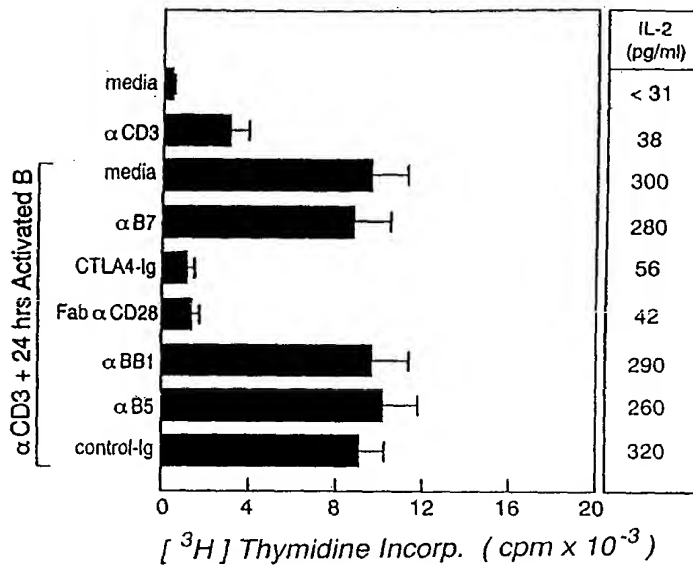
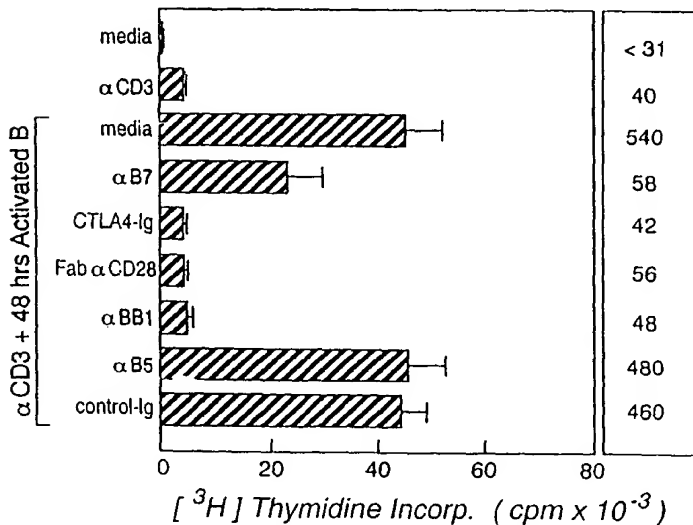


FIG. 7B





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FIG. 8A

1 CACAGGTGAAGCTTTGCTTCTCTGCTGCTGTAACAGGACTAGCACAGACACACGGATGAGTGGGGTC 70

71 ATTCCAGATATTAGGTCACAGCAGAGCAGCCAAAATGATCCCCAGTGCACACTATGGGACTGAGTAACA 140

M D P Q C T M G L S N 11

141 TTCTCTTTTGATGGCCTTCCTGCTCTCTGGTGTCTCTCTGAGATTCAAGCTTATTTCAATGAGAC 210

12 I L F V M A F L L S G A A P L K I Q A Y F N E T 35

^ #

211 TGCAGACCTGCCATGCCAATTTGCAAACTCTCAAAACCAAGCCCTGAGTGAGCTAGTAGTATTTTGGCAG 280

36 A D L P C Q F A N S Q N Q S L S E L V V F W Q 58

* #

281 GACCAGGAAACTTGGTTCTGAATGAGGTACTTAGGCAAGAGAGAAATTTGACAGTGTTCATTCCAAGT 350

59 D Q E N L V L N E V Y L G K E K F D S V H S K 81

351 ATATGGGGCCGACAAAGTTTGTATTCGGACACTTGGACCCCTGAGACTTCACAATCTTCAGATCAAGGACAA 420

82 Y M G R T S F D S D S W T L R L H N L Q I K D K 105

FIG. 8B

421	GGGCTTGATCAATGTATCATCCATCACAAAAGCCACAGGAATGATTCGCATCCACAGATGAATTCT	490
106	G L Y Q C I I H H K K P T G M I R I H Q M N S	128
491	GAACTGTCAGTGCITTCCTAACTTCAGTCAACCTGAAATAGTACCAATTTCTAATATAACAGAAAAATGTGT	560
129	E L S V L A N F S Q P E I V P I S N I T E N V	151
	#	
561	ACATAAAATTGACCTGCTCATCTATACACGGTTACCCAGAACCTAAGAAAGATGAGTGTTTTGCTAAGAAC	630
152	Y I N L T C S S I H G Y P E P K K M S V L L R T	175
	#	
631	CAAGAATTCAAACTATCGAGTATGATGGTATTATGCAGAAATCTCAAGATAATGTCACAGAACTGTACGAC	700
176	K N S T I E Y D G I M Q K S Q D N V T E L Y D	198
	#	
701	GTTTCCATCAGCTTGCTGTTCATTCCCTGATGTTACGAGCAATATGACCATCTTCTGTATTCTGGAAA	770
199	V S I S L S V S F P D V T S N M T I F C I L E	221
	#	
771	CTGACAAGACGGCGCTTTTATCTTCACCTTCTCTATAGAGCTTGAGGACCCTCAGCCTCCCCAGACCA	840
222	T D K T R L L S S P F S I E L E D P Q P P D H	245

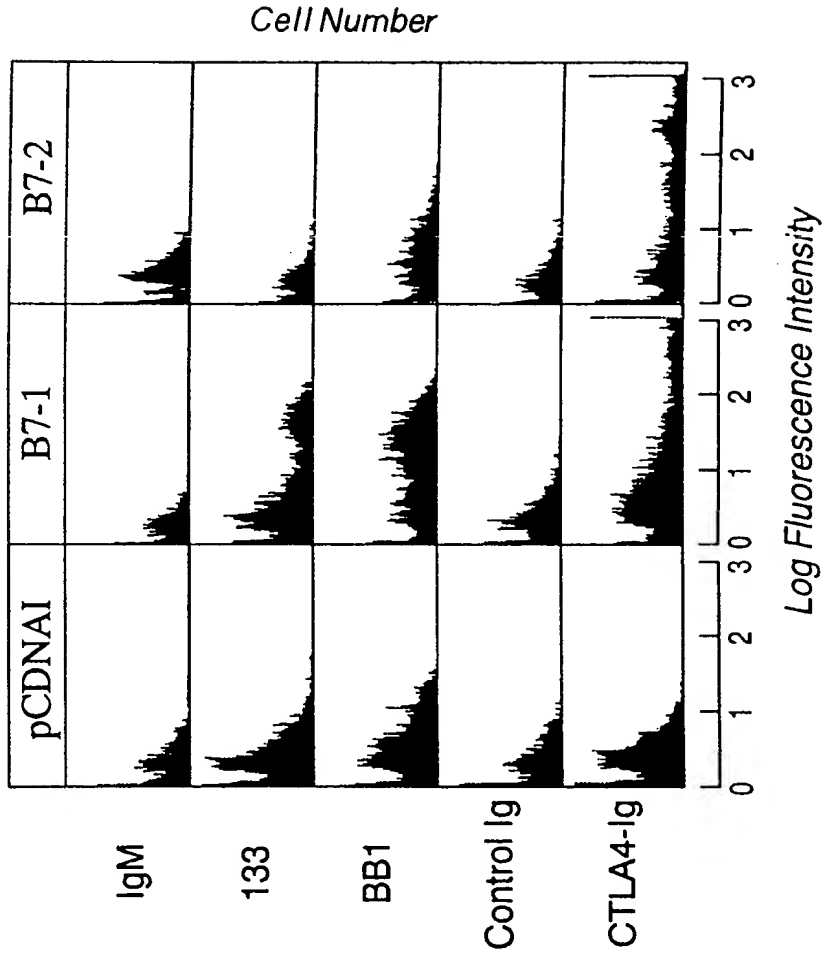


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FIG. 8C

841	CATTCTTGGATTACAGCTGTACTTCCAACAGTTATTATATGTGTGATGGTTTTCTGTCTPAATTCTPATGG	910
246	<u>I P W I T A V L P T V I I C V M V F C L I L W</u>	268
911	AA.TGGAAGAAGAAGCGGCTCGCAACTCTTTATAAATGTGGAACCAACACATCGACAGCGGAAGAGA	980
269	K W K K K R P R N S Y K C G T N T M E R E E	291
981	GTGAACAGACCAAGAAAAAATCCATATACCTGAAAGATCTGATGAAGCCAGCGTGTTTTAA	1050
292	S E Q T K K R E K I H I P E R S D E A Q R V F K	315
1051	AAGTTCGAAGACATCTTCATGCGACAAAAGTGATACATGTTTTTAATTAAAGAGTAAAGCCCAAAAAA	1120
316	S S K T S S C D K S D T C F *	329

FIG. 9



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FIG. 10A

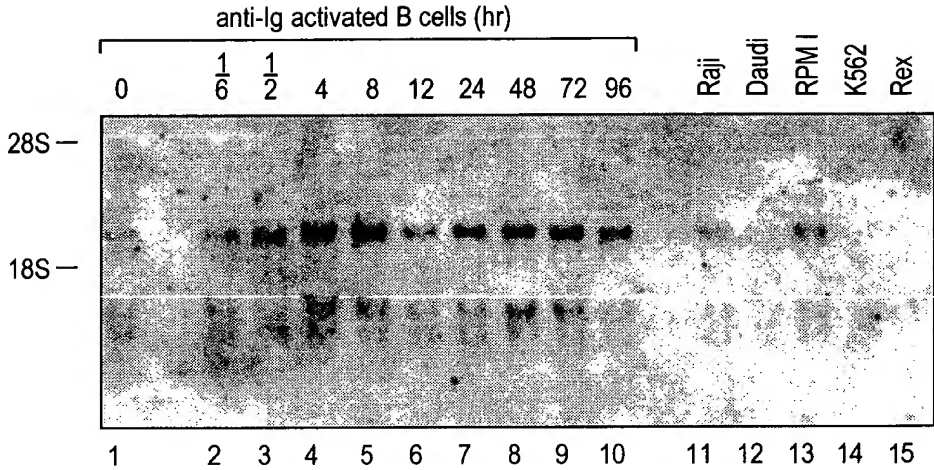
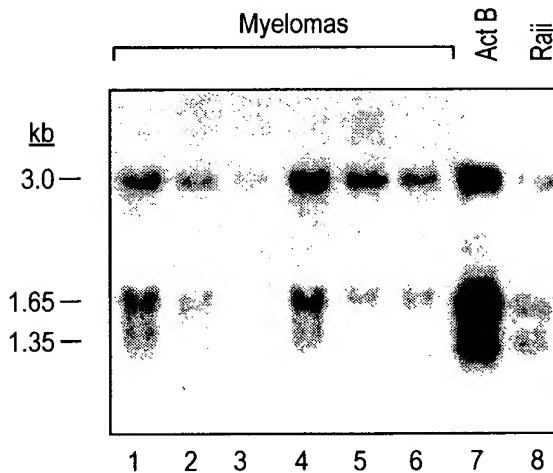
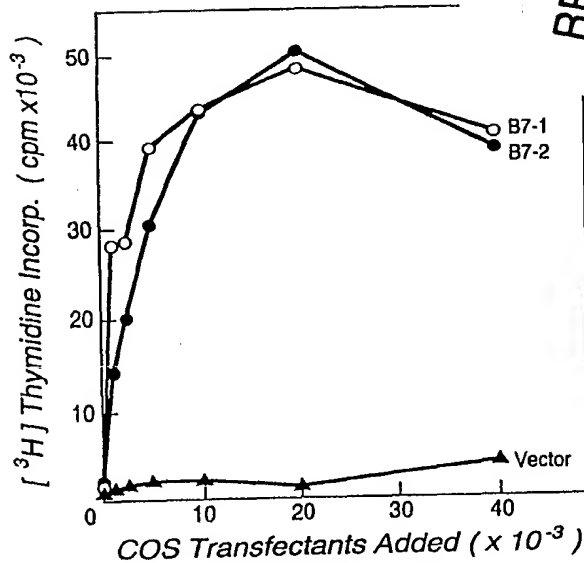


FIG. 10B



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FIG. 11A

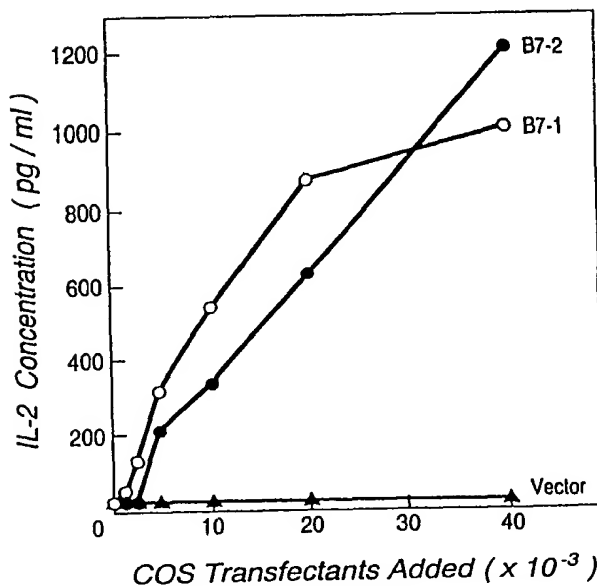


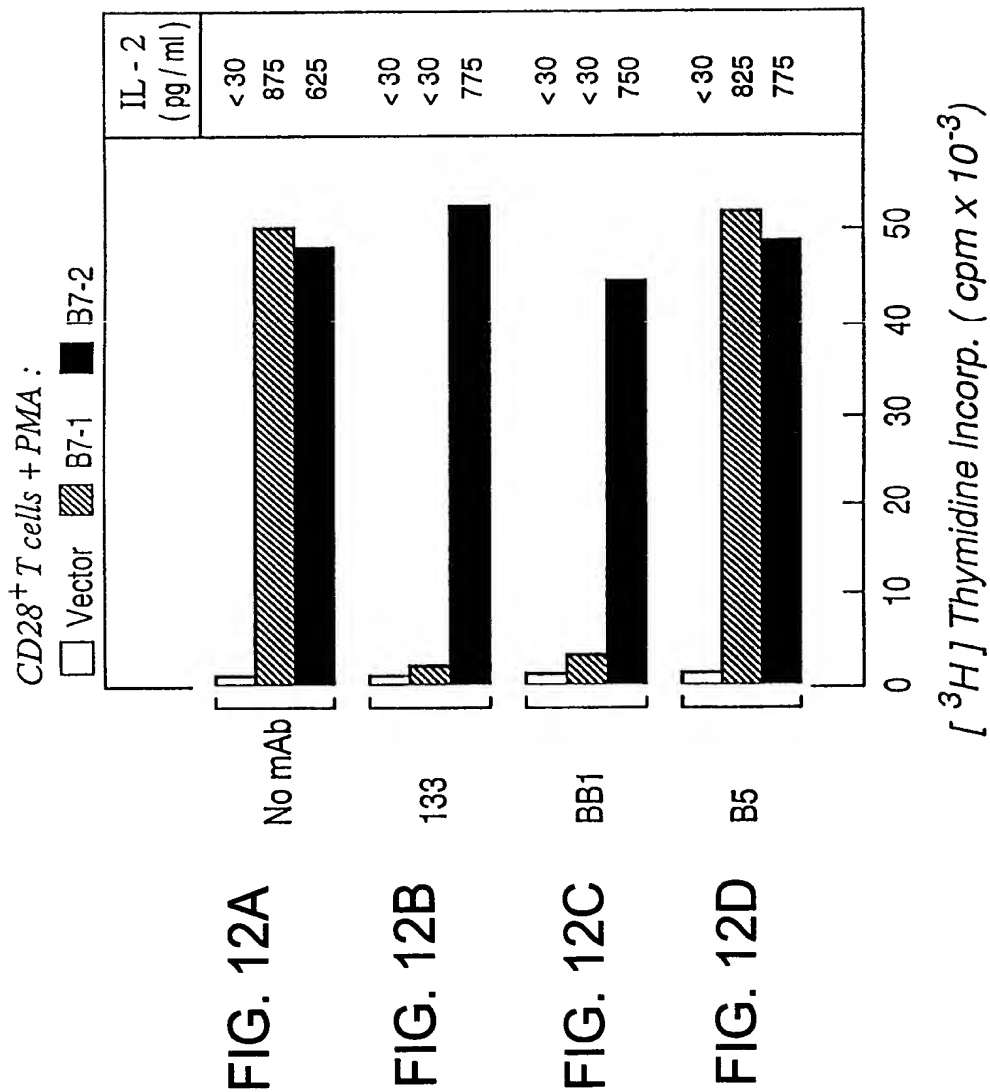
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FIG. 11B





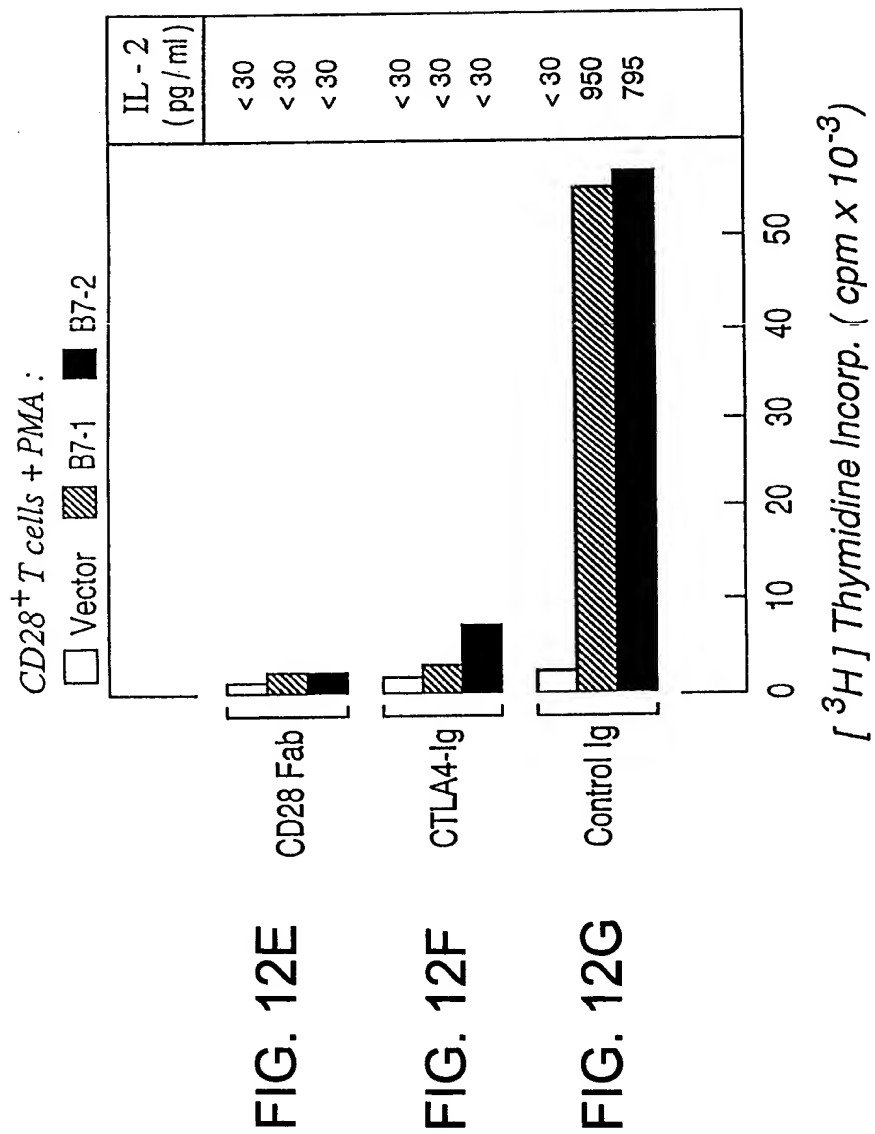


FIG. 13A

hb7-1	1	M..GHTRRGTSKPCYLNFFQLLV.LAGLSHFCSGV.IHVTKEVKEVA	46
hb7-2	1	M.....DPQCTMGLSN.....ILFVMAFLLSGA...APLKIQAYFNETA	36
mb7	1	MACNCQLMQDTPLLKFCPRLLLFVLLIRLSQVSSDVDEQLSKSVKDKV	50
		
hb7-1	47	TLSCGHNVSVEE.LAQTRIYWQKEKKMVL.T.MMSGDMNI...WPEYKNRT	91
hb7-2	37	DLPCQFANSQNSLSLVFWQDQENLVNEVYLKKEKFDVSHSKYMGRT	86
mb7	51	LLPCRY.NSPHEDESEDRIYWQKHDKVLS.VIAGKLV...WPEYKNRT	95
		
hb7-1	92	IFDITNNLSIVILALRPSDEGTYESVVLKYEKDAFKREHLAEVTLSVKAD	141
hb7-2	87	SFD.SDSWTLRLHNLQIKDKGLYQCIIHHKKPTGMIRIHHQMSLSVLN	135
mb7	96	LYDNTT.YSLIILGLVLSDRGTYSVQVKERGTYEVKHLALVKLSIKAD	144
		
hb7-1	142	FPTPSISDFEIPTSNI.RRIICSTSGGFPEPH....LSWLENGEELNAIN	186
hb7-2	136	FSQPEIVPISNITENVYINLTCSSIHGYPEPKMSVLLRRTKNSTIEYDGI	185
mb7	145	FSTPNITESGNPSADT.KRITCFASGGFPKPR....FSWLENGRELPGIN	189
		

FIG. 13B

hB7-1	187	TTVSQDPETELYAVSSKLDNFN...MTTNHSFMCLIKYGHRLRVNQTFNWNT	233
hB7-2	186	MQKSQDNVTELYDVSISSVSFPDVTSNMTIFCILETDKTRLLSSPFSIE	235
mB7	190	TTISQDPESELYTISSQLDNFN...TTRNHTIKCLIKYGDAHVSEDFTWEK	236
		
hB7-1	234	TKQEHF.PDNLLPSWAITLISVNGIFVICCLTYCFAPRCRERRRNERLRR	282
hB7-2	236	.LEDPPPPDHIPWITAVLP....TVIICVMVFCILILWKWKKKRPRNSY	280
mB7	237	PPEDPPDSKNTLVLFGAGFGAVITVVIWIIKCFCKHRSCFRNEA.SR	285
		
hB7-1	283	ESVRPV*	288
hB7-2	281	KCG...TNTMERESEQTKKREKIHIPERSDEAQRVFKSKTSSCDKSDT	327
mB7	286	ETNNSLTFGPEEALAEQTVFL*	306
		
hB7-2	328	CG*	329

FIG. 14A

1	CCCCGCGTCCGGGAGCAAGCAGACGCGTAAGAGTGGCTCCTGTAGGCAGCACGGACTTG	60
	GGGTGCGCAGGCCCTCGTTCGTCTGCGCAATCTCACCGAGGACATCCGTCGTGCTCGTAAC	
61	AACAACGAGACTCCTGTAGACGTGTTCCAGAACTTACGGAAGCACCCACGATGGACCCCA	120
	TTGTTGGTCTGAGGACATCTGCAAGGCTCTGAATGCCCTTCGTGCGTCTACCTGGGGT	
121	GATGCACCATGGGCTTGGCAATCCTTATCTTTGTGACAGTCTTGCTGATCTCAGATGCTG	180
	CTACGTGGTACCCGAACCGTTAGGAATAGAAACACTGTTCAGAACGACTAGAGTCTACGAC	
181	TTTCCGTGGAGACGCAAGCTTATTTCAATGGGACTGCATATCTGCCGTGCCATTACAA	240
	AAAGGCACCTCGCTTCGAATAAAGTTACCTGACGTATAGCGGCACGGGTAAATGTT	
241	AGGCTCAAAACATAAGCCTGAGTGAGCTGGTAGTATTTTGGCAGGACCAGCAAAAGTTGG	300
	TCCGAGTTTGTATTTCGGACTCACTCGACCCATCATATAAACCGTCCTGGTCGTTTCAACC	

M D P R -

	C T M G L A I L I F V T V L L I S D A V -
	S V E T Q A Y F N G T A Y L P C P F T K -
	A Q N I S L S E L V V F W Q D Q Q K L V -

FIG. 14B

TTCTGTACGACACTATTGGGCACAGAGAACTTGATAGTGTGAATGCCAAGTACCTGG
 301 -----+-----+-----+-----+-----+-----+ 360
 AAGACATGCTCGTGATAAACCCGTGTCCTTTGAACTATCACACTTACGGTTCATGGACC

 L Y E H Y L G T E K L D S V N A K Y L G -

 GCCGCACGAGCTTGCACAGGAACAACTGGACTTACGACTTCACAAATGTCAGATCAAGG
 361 -----+-----+-----+-----+-----+-----+ 420
 CGCGTGCTCGAAACTGTCCTTGTGACCTGAGATGCTGAAGTGTTACAACTCTAGTTCC

 R T S F D R N N W T L R L H N V Q I K D -

 ACATGGGCTCGTATGATTGTTTATACAAAAGCCACCACACAGGATCAATATCCTCC
 421 -----+-----+-----+-----+-----+-----+ 480
 TGTACCCGAGCATACTAACAAATATGTTTTTTTCGGTGGGTGCTCCTAGTTAATAGGAGG

 M G S Y D C F I Q K K P P T G S I I L Q -

 AACAGACATTAAACAGAACTGTCAGTGATCGCCAACTTCAGTGAACCTGAATAAAACTGG
 481 -----+-----+-----+-----+-----+-----+ 540
 TTGCTGTAATTGCTTGACAGTCACTAGCGGTTGAAGTCACTTGGACCTTATTTTGACC

 Q T L T E L S V I A N F S E P E I K L A -

 CTCAGAATGTAACAGGAAATCTGGCATAAAATTTGACCTGCACGCTAAGCAAGGTCACC
 541 -----+-----+-----+-----+-----+-----+ 600
 GAGTCTTACATTGCTCTTAAGACCGTATTAAACCTGGACGTCAGATTCGTTCCAGTGG

 Q N V T G N S G I N L T C T S K Q G H P -

FIG. 14C

601 CGAAACCTAAGAAGATGATTTTCTGATAAATAAATCAACTAATGAGTATGGTGATAACA
 -----+-----+-----+-----+-----+-----+

GCTTTGGATTCTTCTACATAAAAGACTATATGATTAAGTTGATTACTCATACCACATATGT
 -----+-----+-----+-----+-----+-----+

K P K K M Y F L I T N S T N E Y G D N M -

661 TGCAGATATCAAGAATAATGTCACAGAAGTGTTCAGTATCTCCAAACAGCCTCTCTCTTT
 -----+-----+-----+-----+-----+-----+

ACGTCTATAGTGTCTATTACAGTGTCTTGACAAGTCATAGAGGTGTGCGAGAGAGAAA
 -----+-----+-----+-----+-----+-----+

Q I S Q D N V T E L F S I S N S L S L S -

721 CATTCGGGATGGTGTGGCATATGACCGTTGTGTGTCTGGGAAACGGAGTCAATGA
 -----+-----+-----+-----+-----+-----+

GTAAGGGCCTACCACACACCGTATACCTGGCAACACACACAAGACCTTTGCCCTCAGTTACT
 -----+-----+-----+-----+-----+-----+

F P D G V W H M T V V C V L E T E S M K -

781 AGATTCCTCCAAACCTCTCAATTTCACTCAAGAGTTTCCATCTCCTCAAACGTTATTGGA
 -----+-----+-----+-----+-----+-----+

TCTAAAGGAGGTTTGGAGAGTTAAAGTGAGTTCTCAAAGGTAGAGAGTTTGCATAACCT
 -----+-----+-----+-----+-----+-----+

I S S K P L N F T Q E F P S P Q T Y W K -

841 AGGAGATTACAGTTTCAGTTACTGTGGCCCTCCTCTGTGTGATGCTGCTCATCTGTAT
 -----+-----+-----+-----+-----+-----+

TCCTCTAATGTCGAAGTCAATGACACCGGGAGGAGGAACACTACGACGAGTAGTAACATA
 -----+-----+-----+-----+-----+-----+

E I T A S V T V A L L L V M L L I I V C -

FIG. 14D

901 GTCACAAGAAGCCGAATCAGCCTAGCAGGCCCGCAGCAACACAGCTCTAAGTTAGAGCGGG
-----+-----+-----+-----+-----+ 960
CAGTGTCTTCGGCTTAGTCGGATCGTCCGGGTCGTTGTGTGCGAGATTCAATCTCGCCC

H K K P N Q P S R P S N T A S K L E R D -
-----+-----+-----+-----+-----+
961 ATAGTAACGCTGACAGAGAGACTATCAACCTGAAGGAACCTTGAACCCCAAAATGCTTCAG
-----+-----+-----+-----+-----+ 1020
TATCATTCGGACTGTCTCTCTGATAGTTGGACTTCCTTGAACCTGGGGTTTAAACGAAGTC

S N A D R E T I N L K E L E P Q I A S A -
-----+-----+-----+-----+-----+
1081 CAAACCAAAATGCAGAGTGAAGGCAGTGAGAGCCTGAGGAAAGAGTTAAAAATTCCTTG
-----+-----+-----+-----+-----+ 1080
GTTTGGTTTACGTCTCACTTCGGTCACTCTCGGACTCCCTTCTCAATTTTAAACGAAAC

K P N A E *
-----+-----+-----+-----+-----+
1081 CCTGAAATAAGAAGTGCAGAGTTTCTCAGAAATCAAAAAATGTTCTCAGCTGATGGAATT
-----+-----+-----+-----+-----+ 1140
GGACTTTATTCTTCACGTCTCAAAGAGTCTTAAGTTTTTACAAGAGTCGACTAACCTTAA

CTACAGTTGAATAATTAAGAAC
-----+-----+-----+-----+-----+
1141 GATGCAACTTATTAAATTCCTG
-----+-----+-----+-----+-----+

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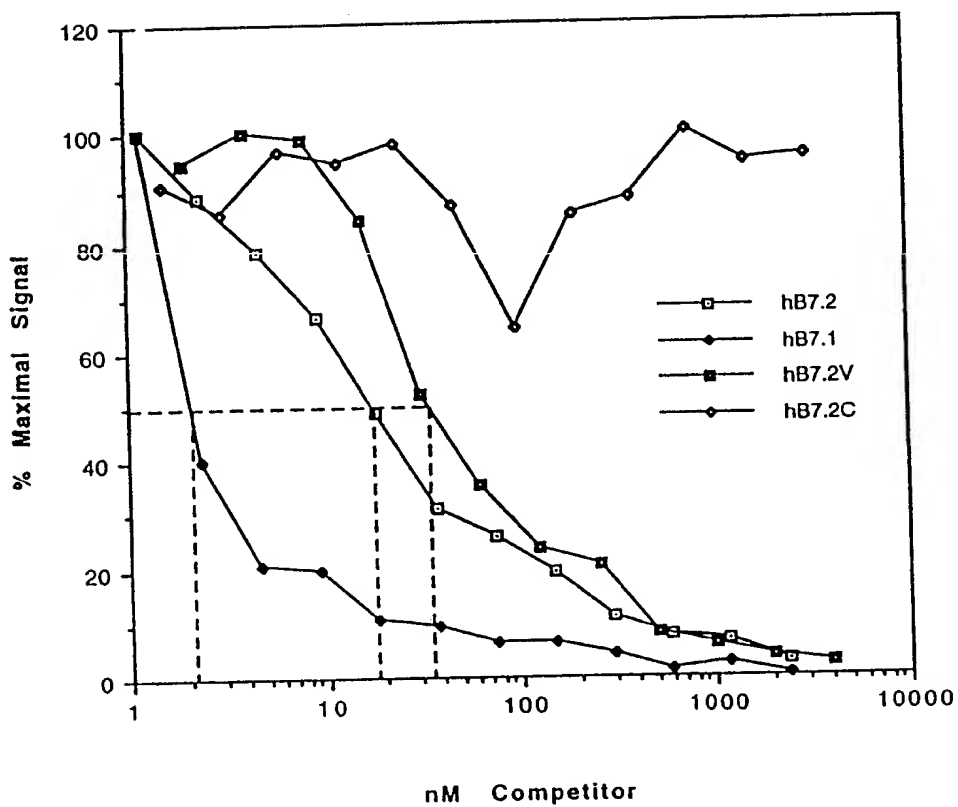


FIG. 15

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FIG. 16A

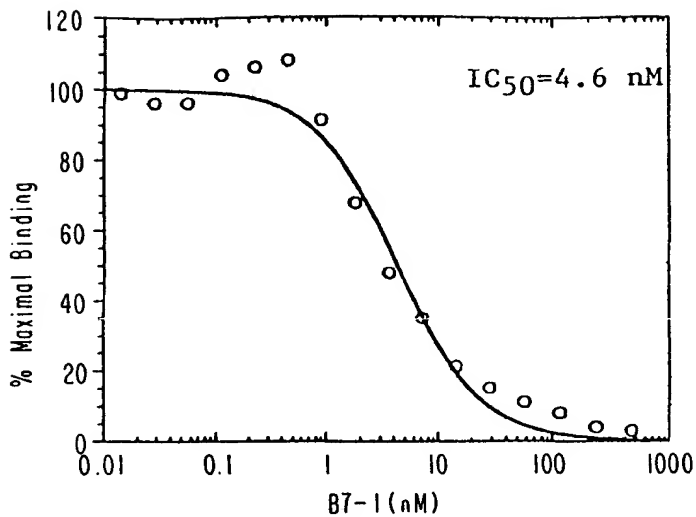


FIG. 16B

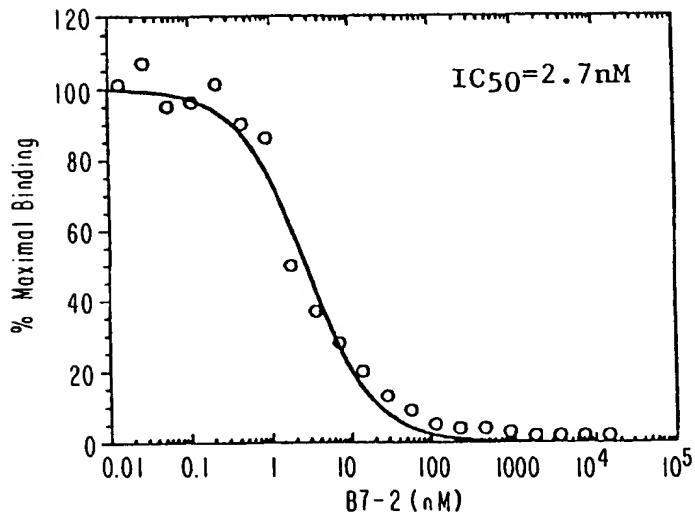


FIG. 17A

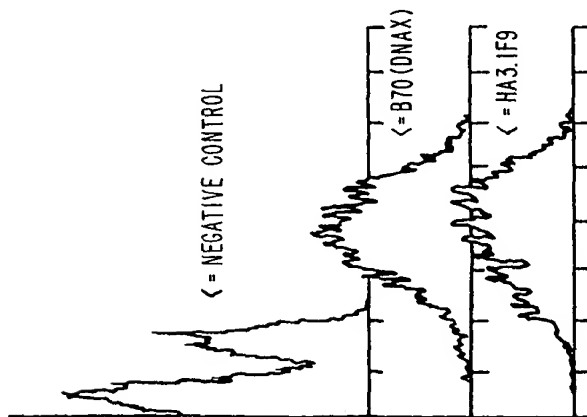


FIG. 17B

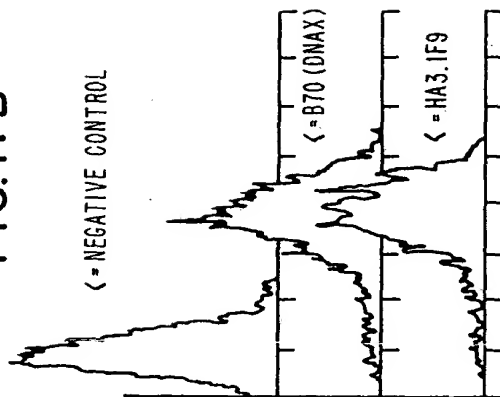


FIG. 17C

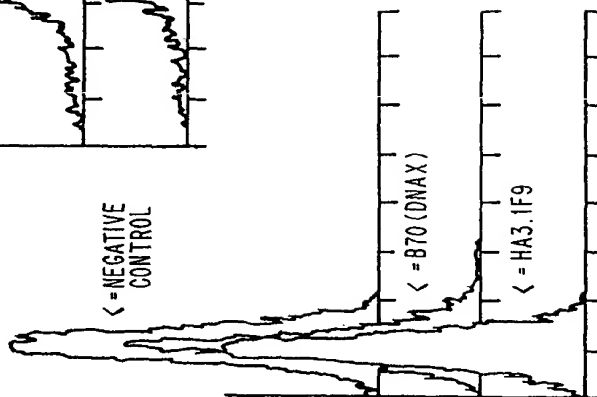


FIG. 18B

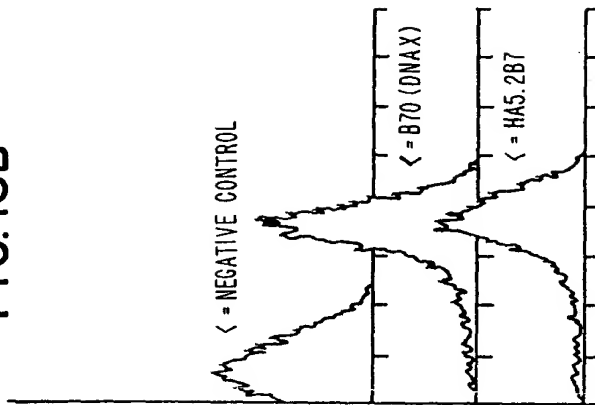


FIG. 18C

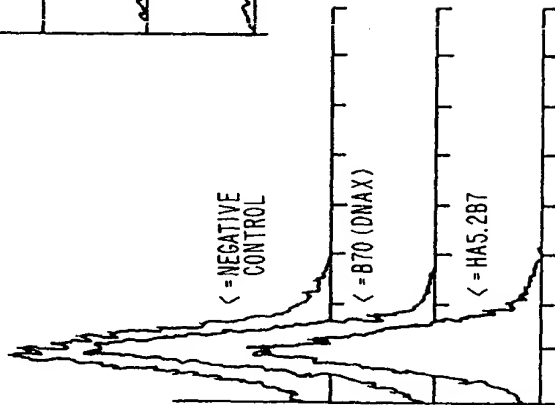


FIG. 18A

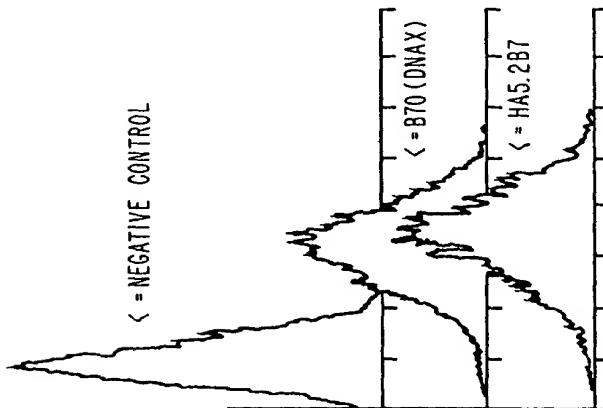


FIG. 19A

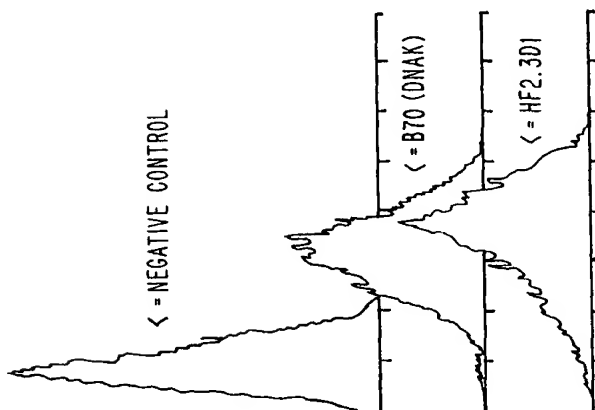


FIG. 19C

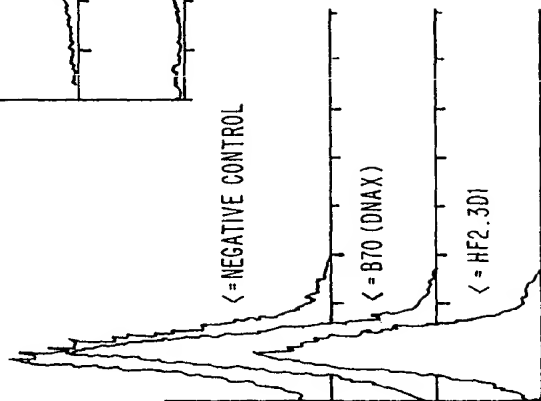


FIG. 19B

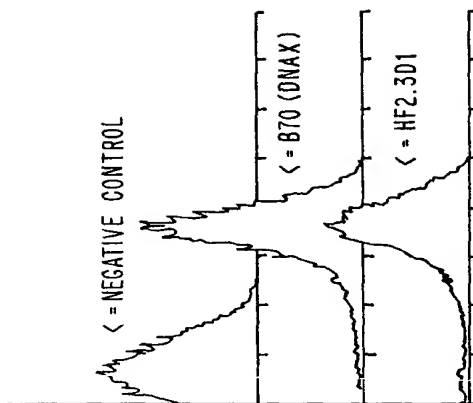


FIG. 20

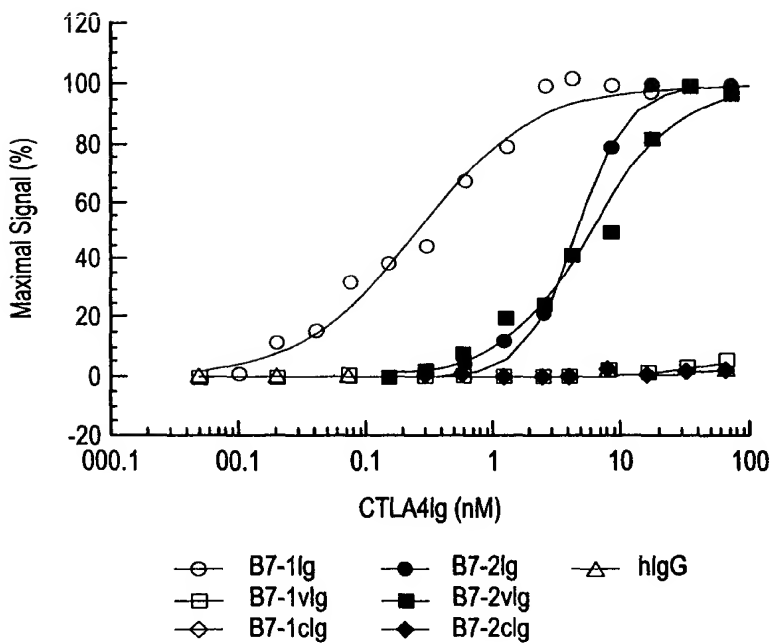


FIG. 21A

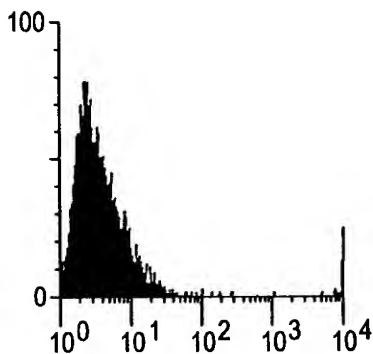


FIG. 21B

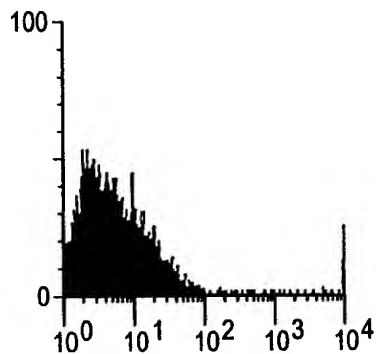


FIG. 21C

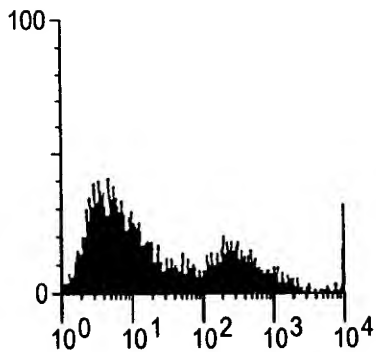


FIG. 21D

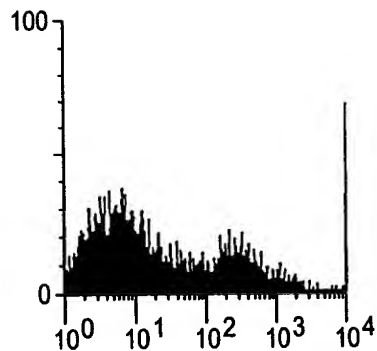


FIG. 21E

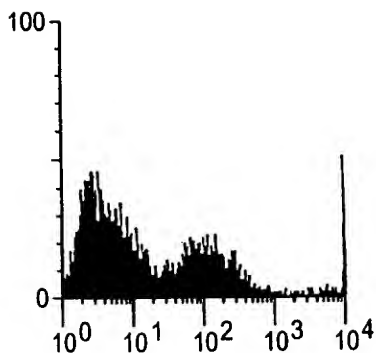


FIG. 22

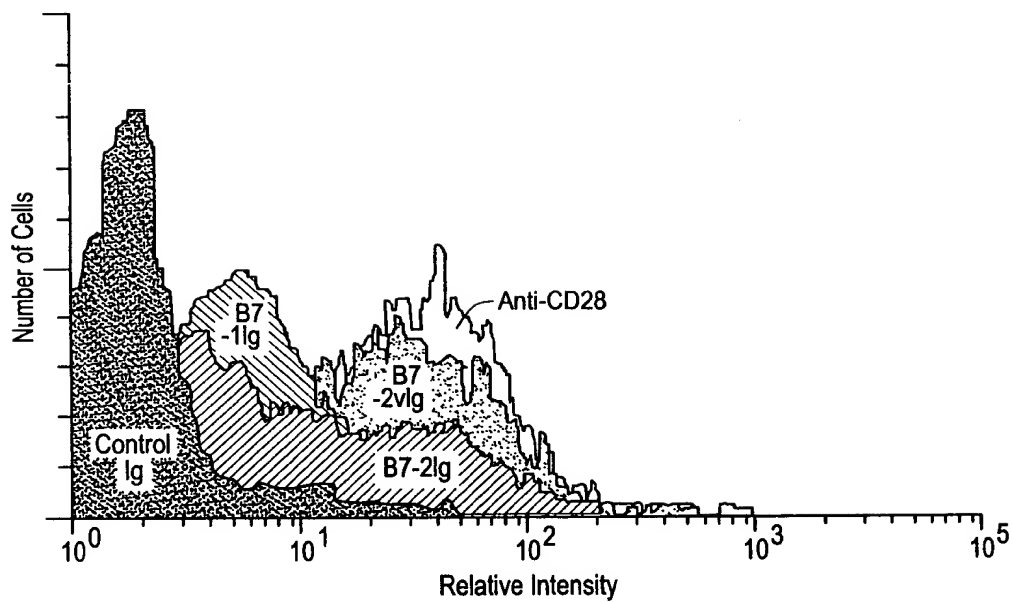


FIG. 23

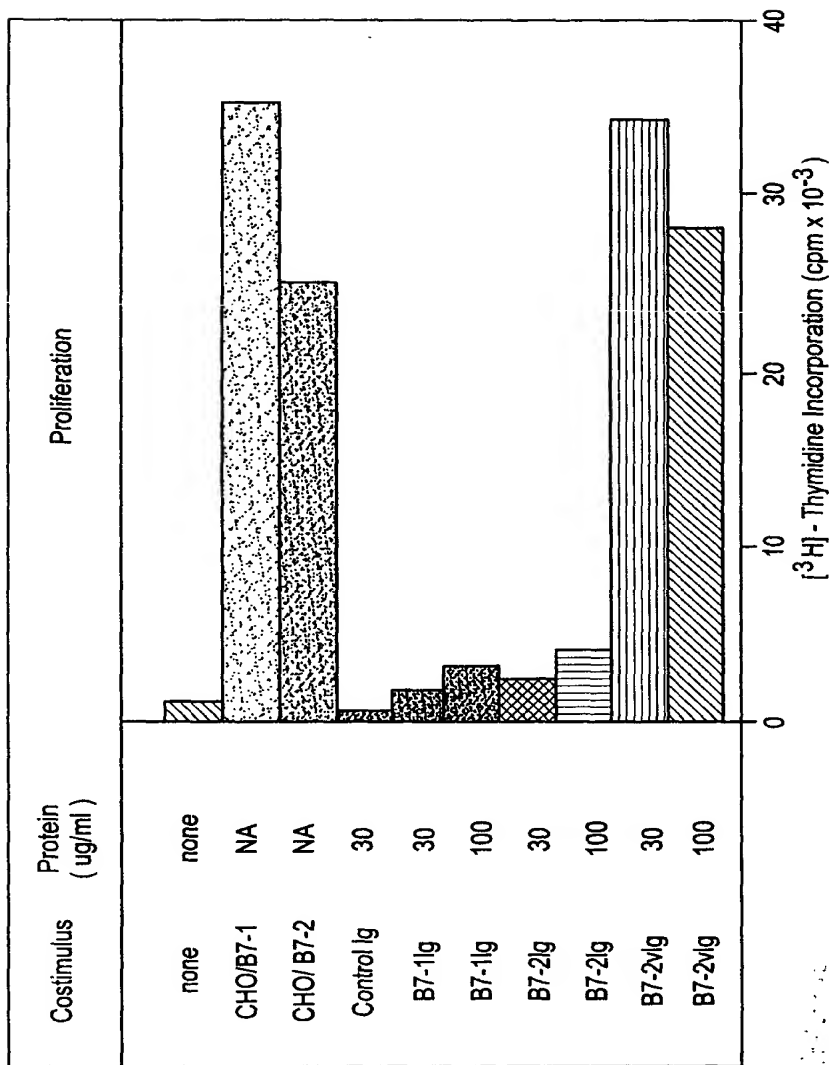


FIG. 24

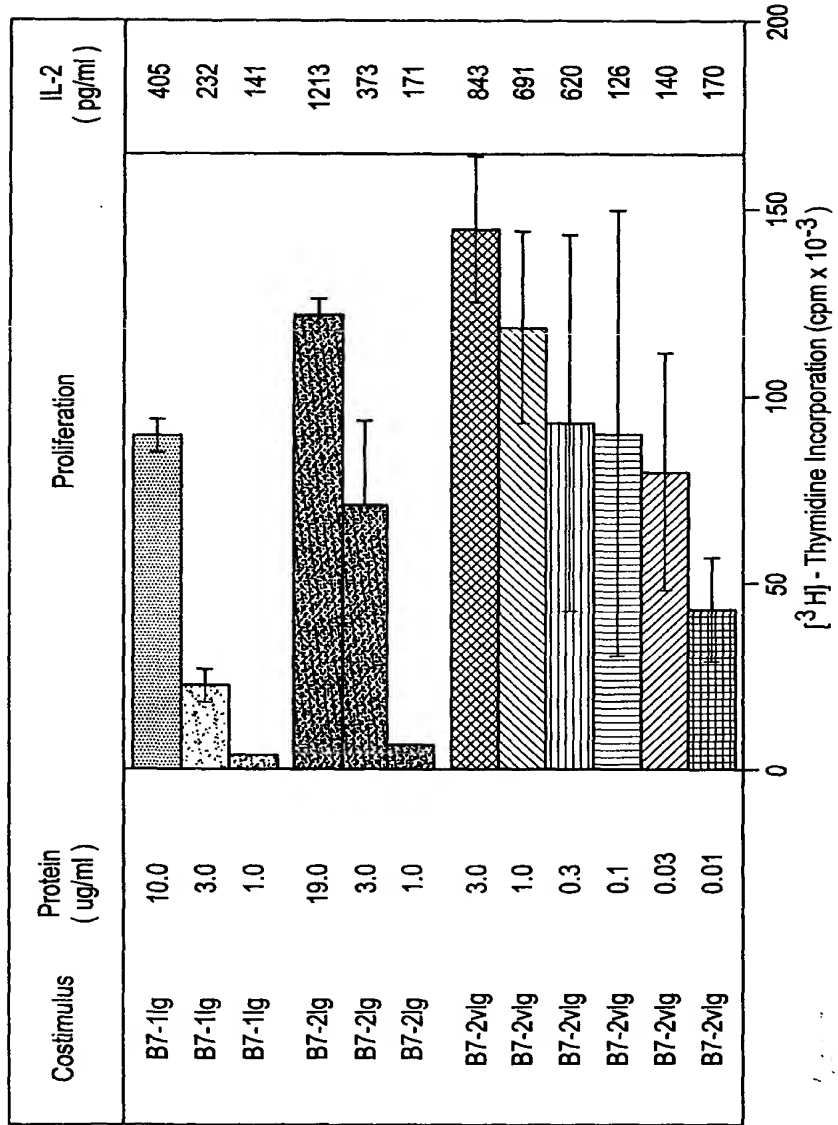


FIG. 25

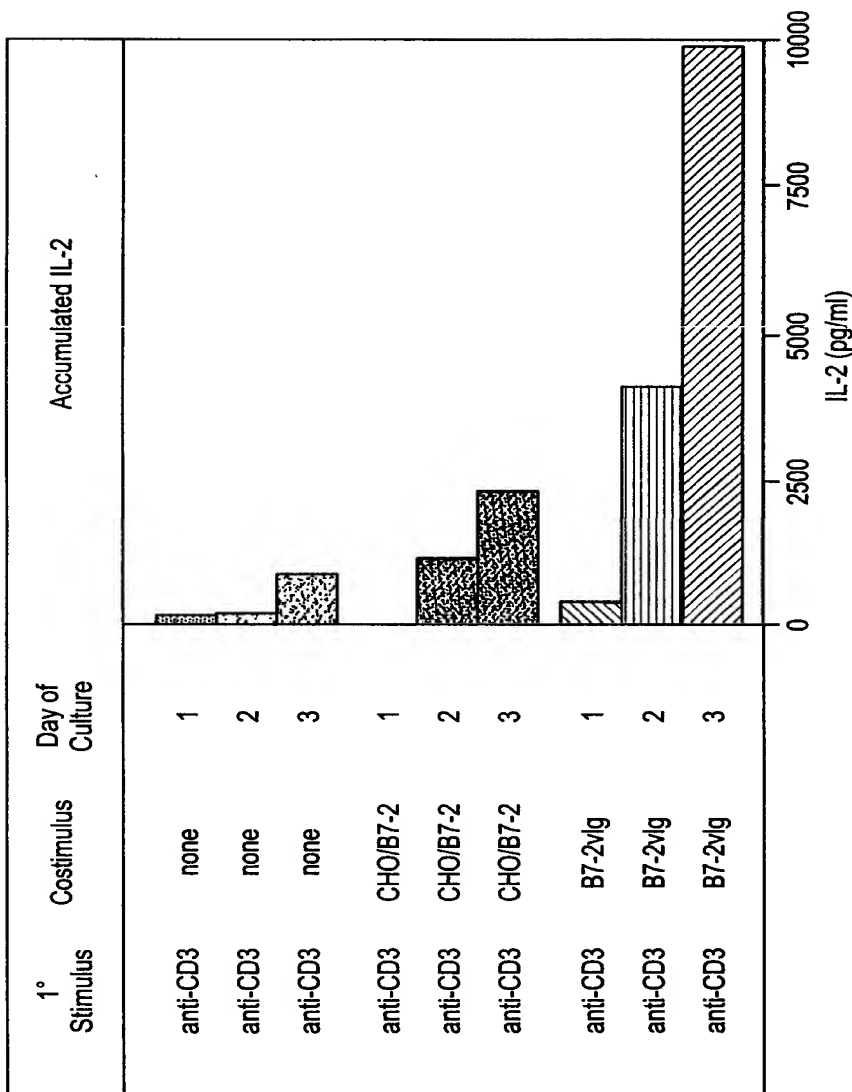




FIG. 26

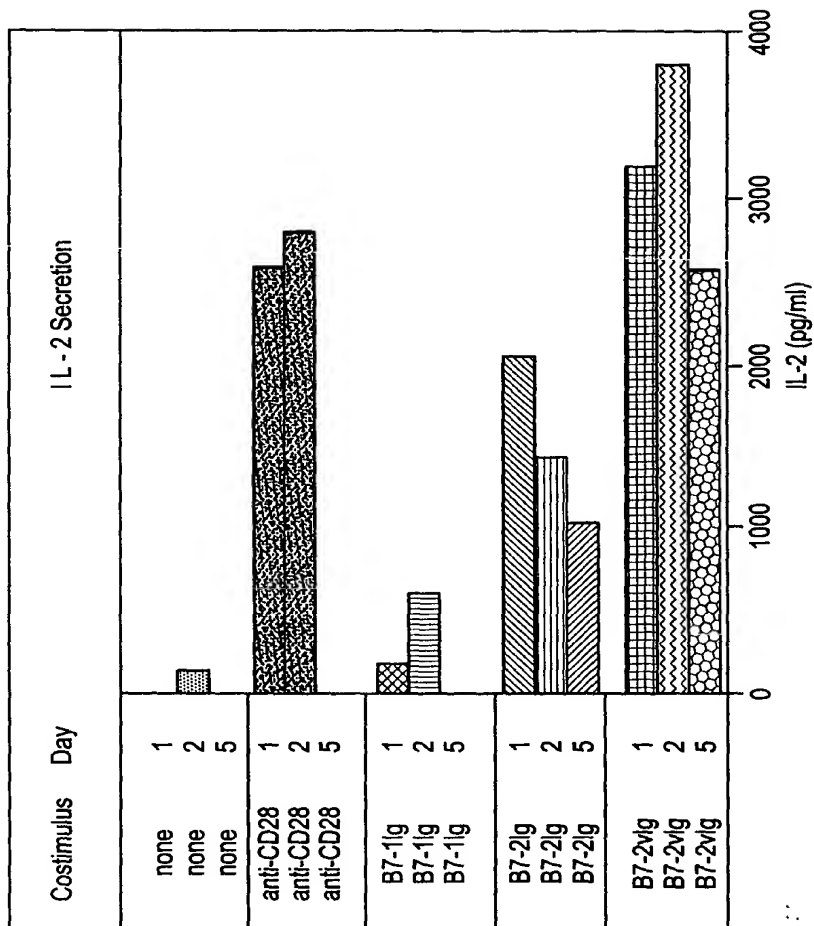


FIG. 27

